

HEAD UP DISPLAY

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Abstract

PURPOSE: To prevent eyes from being tired by setting the optical power of a cylindrical optical member to the size for collimating the information display light which reaches a recognition position, in the lateral direction to the equal degree to the light irradiated from the distance close to the front scenery.

CONSTITUTION: A cylindrical convex lens part A31 is formed so as to have the power in the lateral direction which is equal to the positive power in the lateral direction of the reflection surface of a front glass C, and the synthesized power in the lateral direction of a cylindrical concave lens A1, cylindrical convex lens A3, and the reflection surface inside the front glass C is set so that the information display light L irradiated from a CRT display tube D is collimated in the lateral direction. The information display light L irradiated from the CRT display tube D passes through an optical member A and is inputted into the front glass C, and a part passes through the front glass C and introduced outside, and the rest is reflected and reaches a recognition position. Since the position of a displayed image in the lateral direction becomes nearly same to the position of the scenery at the front, even if the information display light is recognized simultaneously with the remote front scenery, eyes are prevented from being tired.

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